

**BY ORDER OF THE COMMANDER
AIR FORCE MATERIEL COMMAND**



AIR FORCE INSTRUCTION 11-209

**AIR FORCE MATERIEL COMMAND
Supplement 1**

25 APRIL 2004

Flying Operations

AIR FORCE AERIAL EVENTS

COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

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AFI 11-209, 25 August 2003, is supplemented as follows:

This supplement implements AFD 11-2, *Flight Rules and Procedures*, and AFI 11-209, *Air Force Participation in Aerial Events*. It expands on the guidance provided in AFI 11-209 and applies to all AFMC units and AFRC units under AFMC OPCON. It does not apply to the Air National Guard. Use this with AFI 11-209, as supplemented. Units may further supplement this command supplement, as required. If supplemented, send a copy to HQ AFMC/DOO.

SUMMARY OF REVISIONS

This revision aligns AFMC guidance with new AFI 11-209. A bar (|) indicates a revision from the previous edition.

1.2.2. AFMC aircraft/aircrews performing flyovers will avoid low altitude maneuvering, e.g., wing rocking, etc. Consider spectator safety and comfort in use of afterburner.

1.2.4.3. Minimum altitude for all flyovers and aerial demonstrations by AFMC aircraft/aircrews is 500 feet above ground level (AGL). NOT WAIVERABLE.

2.4.1. See **Attachment 2** or **Attachment 3** of this supplement for the approval authority for this event.

3.1.7. See **Attachment 2** or **Attachment 3** of this supplement for the approval authority for this event.

3.2. **Funeral or Memorial Flyovers Participation Approval.** See **Attachment 2** or **Attachment 3** of this supplement for the approval authority for this event.

3.3. **Missing Man Formation.** Participation approval level for the missing man formation is the same as for a flyover.

3.6.2. See **Attachment 2** for the approval authority of on-base aerial events and **Attachment 3** for the approval authority of off-base aerial events.

3.9.1. See **Attachment 2** or **Attachment 3** of this supplement for the approval authority for this event.

3.13. (Added) **Civilian Aerial Demonstrations at AFMC Events.** HQ AFMC/DO is the final approval authority for civilian aerial participation at AFMC base open houses/airshows. Civil aircraft performances will be permitted only if they supplement or enhance the effectiveness of the military activities. However, these performances may not constitute more than 33 percent of the performance time IAW OSD/PA Memo, "Open House/Public Visitation Policy Guidance", Dec 1992. Any exception to the one-third rule must be formally approved by SAF/PAC.

3.13.1. (Added) Vintage military ("warbird") aircraft operated by non-profit organizations that primarily relate to military history are not subject to the one-third rule.

3.13.2. (Added) Send request to HQ AFMC/DOO no later than 45 days prior to the event. Request must include the following information:

3.13.2.1. (Added) Name, date and location of event.

3.13.2.2. (Added) Name of team/individual performing demonstration.

3.13.2.3. (Added) Number and type of aircraft.

3.13.2.4. (Added) A detailed, narrative description of each maneuver to include minimum/maximum airspeeds and altitudes.

3.13.2.5. (Added) Number of airshows performed in last 24 months.

3.13.2.6. (Added) Weather minimums and alternate plan for inclement weather.

3.13.2.7. (Added) Include copies of any waivers approved or requested for the demonstration.

3.13.3. (Added) Comply with AFI 10-1001, *Civil Aircraft Landing Permits*.

3.13.4. (Added) Airshow POC will ensure that a FAA representative examines civilian performers to ensure the pilots/aircraft have the appropriate certifications/qualifications.

3.13.5. (Added) Rides in civil aircraft or warbirds participating in an AFMC open house or on-base event will not be allowed.

4.2.1. Send waiver requests to AFMC/DOO a minimum of 45 days prior to event.

4.3.3. The delegated AFMC approval authorities for those major command (MAJCOM) approvable aerial events are listed in **Attachments 2 and 3 (AFMC)**. Participation will be on a noninterference basis.

4.3.3.1. (Added) Send requests requiring AFMC/CC or higher approval to HQ AFMC/DOO and an info copy to HQ AFMC/PA according to the specified lead-times found in **Attachments 2 and 3 (AFMC)** for coordination purposes. When AFMC/CC approval is required and the lead-time is not specified in AFI 11-209 or AFI 35-101, send requests to HQ AFMC/DOO 30 days prior to event. HQ AFMC/DOO will ensure requests for participation in aerial events are coordinated with HQ AFMC/PA.

4.3.6. Center and test wing commanders are responsible for ensuring only the most highly qualified pilots and crews participate in aerial events. The DFO will ensure these pilots and crews are trained and proficient in the aerial events to be performed.

4.3.9. All new or modified demonstration profiles must be approved by the center commander prior to submitting them for AFMC/CC approval. All demonstration profiles must be reviewed by a safety review board prior to submission. Forward all demonstration profile packages to HQ AFMC/DOO for review and

coordination at least 30 days prior to the event. All demonstration packages must include a memorandum from the center commander to AFMC/CC. Demonstration profiles will contain (as a minimum):

NOTE: Profiles are base/location specific. Center commanders may authorize re-use of previously AFMC/CC approved demonstration profiles for use at the same location provided the profile has not been modified. Modifications requiring approval are: changes to airspeeds, altitudes, formation positions, flight maneuvers and location. Units will advise HQ AFMC/DOO prior to flying a center commander authorized re-use demonstration profile. AFMC aerial demonstrations that involve aerobatic maneuvers are limited to AAC and AFFTC.

4.3.9.1. (Added) Location of event.

4.3.9.2. (Added) Type of profile.

4.3.9.3. (Added) Number and type of participating aircraft.

4.3.9.4. (Added) A detailed narrative description of each maneuver to include diagrams showing the flight path, orbit areas, and emergency exit routings in relation to the show line and designated spectator area.

4.3.9.5. (Added) Communication and control procedures.

4.3.9.6. (Added) Weather minimums and alternate plan for inclement weather.

4.3.9.7. (Added) Minimum/maximum airspeeds and altitudes (flight maneuvers will be planned within the design envelope of the aircraft).

4.3.9.8. (Added) Safety review board report.

4.3.9.9. (Added) Planned training profile for individual(s) performing demonstration.

4.3.9.10. (Added) Waivers approved or requested for the demonstration.

4.3.10. AFMC center commanders sponsoring or supporting Air Force approved aerial events will appoint a project officer. This person will prepare a flight operations plan for center commander review and approval. These plans are not required for static displays or flyovers. The flight operations plan may be an annex of a larger support plan.

4.3.14. Project officer will ensure coordination of all aerial activities with appropriate agencies.

4.3.19. Send center commander approved waiver requests to HQ AFMC/DOO for coordination and routing to appropriate approval levels. Weather minimums are located in paragraph 1.2.3.

Terms

Warbird—A “warbird” is an aircraft (U.S. or foreign) used in a previous military conflict or having historical military aviation significance.

Table A2.1. (Added) On-Base Aerial Events (AFMC)

PROPOSED EVENT	APPROVAL AUTHORITY	REMARKS	Send to HQ AFMC/DOO Number of Days prior to event
1. USAF Academy Flyover	Test Wing/CC	Note 8	30 (Note 6)
a. More than 4 aircraft	AFMC/CC		30
b. Multiple passes	AFMC/CC		30
2. Flyover	Test Wing/CC	Notes 1, 2, 8	30 (Note 6)
3. Static Display	Test Wing/CC	Notes 1, 8	Not Required
4. Aircraft Demos	Center/CC	Note 3, 9	30 (Note 6)
5. Aerial Review AFMC assets	Test Wing/CC	Note 8	30 (Note 6)
6. Aerial Review Multi-MAJCOM	Center/CC		30 (Note 6)
7. Aerial Review Multi-Service (Nation)	AFMC/CC	Notes 5, 7	90
8. Memorial or Funeral Flyover	Test Wing/CC	Notes 4, 8, 10	7 or as soon as possible after notification (Note 6)
9. Civilian aircraft aerial demonstration or static display at AFMC open houses	AFMC/DO		45

NOTES:

1. Test Wing/CCs may delegate approval authority for static displays and flyovers at their home station to the director of flight operations (DFO). Test Wing/CCs will ensure AFI 11-209 and AFI 35-101 compliance.
2. Does not include retirement or change of command ceremonies.
3. Aircraft aerobatic or capabilities demonstration profiles which deviate from the standard profiles published in the AFI 11-246 series must be approved by AFMC/CC. Center/CC is the execution authority for approved profiles.
4. Contact HQ AFMC/SVX for assistance in obtaining approval from HQ USAF/ILV. HQ AFMC/SV will validate eligibility and obtain event approval from HQ USAF/ILV. Reference AFI 34-242.
5. HQ USAF/CC/XO approval also required.
6. Send information copy to AFMC/DOO.
7. Event must be approved by SAF/PA.
8. Units without a test wing commander may send requests to Center/CC for approval.
9. Include name(s) of individual(s) flying demonstrations in info package to HQ AFMC/DOO.

10. Notify AFMC/DOO if flyover is a MAJCOM authorized additional flyover per 3.1.

Table A3.1. (Added) Off-Base Aerial Events (AFMC)

PROPOSED EVENT	APPROVAL AUTHORITY	REMARKS	Send to HQ AFMC/DOO Number of Days prior to event
1. Flyover	Center/CC	Note 1	30 (Note 6)
2. Static Display	Test Wing/CC	Notes 7, 8	30 (Note 6)
3. Aircraft Demos	Center/CC	Notes 1, 2, 9	30 (Note 6)
4. Patriotic Holiday Flyover	Center/CC	Note 7	30 (Note 6)
5. Aerial Review AFMC assets	Center/CC	Note 1	90 (Note 6)
6. Aerial Review Multi-MAJCOM	AFMC/CC	Note 1	90
7. Aerial Review Multi-Service (Nation)	AFMC/CC	Notes 1, 3	90
8. Memorial or Funeral Flyover	Center/CC	Notes 4, 5	7 or as soon as possible after notification (Note 6)

NOTES:

1. Event must be approved by SAF/PA.
2. Aircraft aerobatic or capabilities demonstration profiles which deviate from the standard profiles published in the AFI 11-246 series must be approved by AFMC/CC. Center/CC is the execution authority for approved profiles.
3. HQ USAF/CC/XO approval also required.
4. HQ AFMC/SV will validate eligibility and obtain event approval from HQ USAF/ILV. DO will be the final flyover approval authority. Reference AFI 34-242.
5. HQ USAF/XO (AF Duty Officer) approval also required.
6. Send information copy to AFMC/DOO.
7. Event must be approved by AFMC/PA.
8. Units without a test wing commander may send requests to Center/CC for approval.
9. Include name(s) of individual(s) flying demonstrations in info package to HQ AFMC/DOO.

A4.3.3. At least one aircrew member will be present in the fuselage/cargo area if it is open for public access.

A4.4.6. (Added) When aircraft are put on static display and public access or viewing of the interior is allowed, specifically designed and engineered platforms should be used, if available. Aircraft maintenance work stands are not designed to support large groups of people. If aircraft maintenance stands are used for access to or viewing of aircraft interiors, appropriate care must be taken to ensure that the weight

bearing capability of the stands is not exceeded. The reinforcement of a work stand with additional supports should be considered. (See AFOSH Standard 91-2 and specified Technical Order (TO) for applicable work stand.) Aircrews and the organization sponsoring the event are responsible for knowing the weight bearing capability of a work stand provided for their aircraft and for controlling the number of people and weight that is on the work stand at any one time.

PERRY L. LAMY, Brigadier General, USAF
Director of Operations